

Converting Colors

CIELCh(72, 77.700, 135.338)

Have a look what the booklet for
CIELCh(72, 77.700, 135.338)
contains.

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Color

CIELCh(72, 77.406, 135.440)

Conversions

Conversions Part 1

Format	Color
Hex	5BC744
RGB	91, 199, 68
RGB Percent	36%, 78%, 27%
CMY	0.6418, 0.2183, 0.7321
CMYK	0.54, 0.00, 0.66, 0.22
HSL	109°, 54%, 52%
HSV	109°, 66%, 78%
XYZ	25.8998, 43.6590, 12.5807
YIQ	151.7740, -22.3170, -63.6370

Conversions

Conversions Part 2

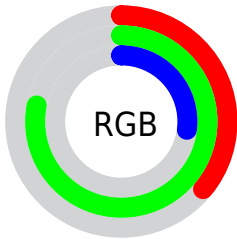
Format	Color
RYB	68, 199, 176
Decimal	6014788
CIELab	72.00, -55.15, 54.31
CIElCh	72, 77.406, 135.440
Yxy	43.6590, 0.3153, 0.5315
Android (android.graphics.Color)	4284204868 (0xFF5BC744)
YUV	151.7740, -41.3006, -53.2988
Hunter-Lab	66.0750, -45.6636, 34.9637

Details

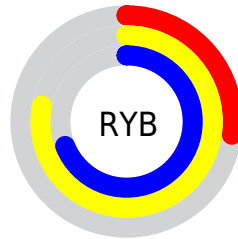
The CIELCh color **72, 77.406, 135.440** is a dark color, and the websafe version is hex **66CC33**. The color can be described as dark muted green. A complement of this color would be **49, 78.457, 322.065**, and the grayscale version is **63, 0.008, 296.813**.

A 20% lighter version of the original color is **91, 76.434, 135.447**, and **52, 77.405, 135.428** is the 20% darker color. If you saturate the color by 10%, you get **71, 86.062, 134.935**, and if you desaturate by 10%, it is **73, 67.216, 136.105**.

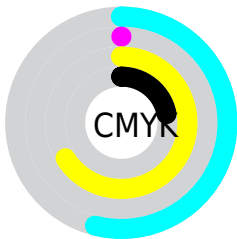
Distribution



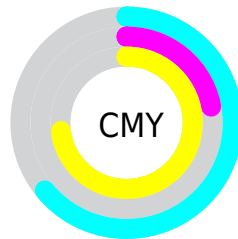
- Red (36%)
- Green (78%)
- Blue (27%)



- Red (27%)
- Yellow (78%)
- Blue (69%)



- Cyan (54%)
- Magenta (0%)
- Yellow (66%)
- Black (22%)




- Cyan (64%)
- Magenta (22%)
- Yellow (73%)

Brightness & Saturation Gradients

These gradients show how the CIELCh color 72, 77.406, 135.440 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 72, 77.406, 135.440 by changing the saturation by 10% instead.


 72, 77.406,
135.440


 72, 77.406,
135.440


 100, 77.406,
135.440

 62, 77.406,
135.440

 92, 77.406,
135.440

 52, 77.406,
135.440

 42, 77.406,
135.440

 32, 77.406,
135.440

 22, 77.406,
135.440

 12, 77.406,
135.440

 2, 77.406, 135.440

0, 77.406, 135.440

72, 77.406,
135.440

72, 77.406,
135.440

71, 86.062,
134.935

73, 67.216,
136.105

71, 92.654,
134.716

74, 55.979,
136.822

71, 96.817,
134.879

75, 44.083,
137.525

70, 98.094,
134.966

76, 31.823,
138.177

78, 19.419,
138.765

79, 7.032, 139.297

■ 81, 5.223, 319.670

■ 83, 17.265,
320.081

■ 85, 29.041,
320.413

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



72, 77.406, 135.440



49, 78.457, 322.065

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



72, 77.406, 135.440



72, 77.406, 185.440



72, 77.406, 315.440



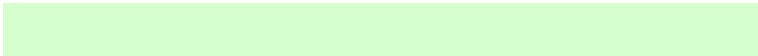
72, 77.406, 5.440

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



72, 77.406, 135.441



96, 30.200, 138.505



72, 56.219, 93.641



51, 20.612, 138.336



0, 0.000, 0.000



53, 0.007, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



72, 77.406, 135.441



89, 107.453, 134.795



72, 65.015, 147.914



41, 6.968, 139.106



59, 84.424, 134.841



11, 25.318, 140.126

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



49, 78.457, 322.065



57, 108.150, 322.116



50, 64.511, 340.654



39, 7.003, 319.931



33, 84.032, 321.620



4, 24.728, 319.512

Previews

White Background



This preview shows how the CIELCh color 72, 77.406, 135.440 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 72, 77.406, 135.440 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 72, 77.406, 135.440

Background



This preview shows how black text looks on a background with the CIELCh color 72, 77.406, 135.440.



This preview shows how white text looks on a background with the CIELCh color 72, 77.406, 135.440.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

72, 77.406, 135.440

Protanopia

72, 58.759, 95.598

Deuteranopia

72, 52.272, 79.997



Tritanopia
72, 22.713, 219.166

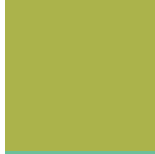
Trichromacy



Original Color
72, 77.406, 135.440



Protanomaly
71, 61.502, 114.771



Deuteranomaly
70, 53.763, 108.538



Tritanomaly
71, 35.950, 161.549

Monochromacy



Original Color
72, 77.406, 135.440



Achromatopsia
63, 0.008, 296.813



Achromatomaly
65, 30.125, 138.222

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 72, 77.406, 135.440 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(91, 199, 68)` looks like.

```
.text, #text, p{  
    color:rgb(91, 199, 68)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(91, 199, 68) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(91, 199, 68) }
```

Border

The CSS property to change the border of an element to CIELCh 72, 77.406, 135.440 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(91, 199, 68) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(91, 199, 68) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(91, 199, 68)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(91, 199, 68); -webkit-box-  
shadow:4px 4px 4px 4px rgb(91, 199, 68);  
box-shadow:4px 4px 4px 4px rgb(91, 199,  
68) }
```

Background

The CSS property to change the background color of an element to CIELCh 72, 77.406, 135.440 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(91, 199, 68) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(91, 199,  
68) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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